

We claim:

1. A two position, spring biased lever system comprising:
a lever that pivots on a support between a first position and a second position, and
a spring having an arm that biases the lever toward the second position, the arm engaging the lever to hold the lever in the first position.
2. A two position, spring biased lever system comprising:
a lever that pivots on a support between a first position and a second position, and
a spring having a spring arm that engages a notch in the lever to hold the lever in the first position while biasing the lever toward the second position when the lever is in the first position.
3. A two position spring biased lever system comprising:
a lever that pivots on a support between a first position and a second position, and
a torsion spring having a tangential spring arm that is attached to a central coil at one end and that has a distal end that is engaged in a notch of the lever, the torsion spring being stressed so that the spring arm holds the lever in the first position when the distal end is in the notch while biasing the lever toward the second position,
the spring arm moving the lever to the second position when the distal end is disengaged from the notch.
4. The two position, spring biased lever system as defined in claim 3 wherein the distal end of the spring arm when released from the notch slides along a surface of the lever to bias the lever to the second position.
5. The two position spring biased lever system as defined in claim 3 wherein the distal end of the spring arm is a substantially perpendicular end portion of

the spring arm, which when released from the notch slides along a surface of the lever to bias the lever to the second position.

6. The two position spring biased lever system as defined in claim 3 wherein the spring arm has a length $L-1$ measured from its pivot to the distal end, wherein the lever has a length $L-2$ measured from its pivot to the notch, and wherein the system has a length $L-3$ measured from the pivot of the spring arm to the pivot of the lever and wherein the sum of the length $L-1$ and the length $L-2$ exceeds the length $L-3$ when the lever is in the first position.

7. The two position spring biased lever system as defined in claim 5 wherein the spring arm has a length $L-1$ measured from its pivot to the distal end, wherein the lever has a length $L-2$ measured from its pivot to the notch, and wherein the system has a length $L-3$ measured from the pivot of the spring arm to the pivot of the lever and wherein the sum of the length $L-1$ and the length $L-2$ exceeds the length $L-3$ when the lever is in the first position.